

**Flood Control Project Maintenance
Levee Inspections**

Fall 2013 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD2107	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 2107 Mossdale Island	A	4.21						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.02		0.02	0.48%	0.01			
Encroachments					0.01			
Animal Control	0.01		0.01	0.24%				
Erosion / Bank Caving	0.01		0.01	0.24%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.17			
<i>LMA Totals:</i>	0.04	0.00	0.04	0.95%	0.19	0.00	0.00	0.00
Unit No. 01 San Joaquin River LB	Overall Unit Rating	Total Unit Miles						
RD2107	A	2.37						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.01		0.01	0.42%	0.01			
Encroachments					0.01			
Erosion / Bank Caving	0.01		0.01	0.42%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.14			
<i>Unit Totals:</i>	0.02	0.00	0.02	0.84%	0.16	0.00	0.00	0.00
Unit No. 02 Paradise Cut RB	Overall Unit Rating	Total Unit Miles						
RD2107	A	1.84						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.01		0.01	0.54%				
Animal Control	0.01		0.01	0.54%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.03			
<i>Unit Totals:</i>	0.02	0.00	0.02	1.09%	0.03	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2013 Levee Inspection Results

Reclamation District No. 2107 Mossdale Island

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 Levee Inspection Results

Reclamation District No. 2107 Mossdale Island

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Left	2.37
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/04/2013 - 04/04/2013		09/23/2013 - 09/23/2013	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Robert Brown		Robert Brown RD2107	
			Michael Moncrief MBK Engineers	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 2107 Mossdale Island

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 San Joaquin River						Left	2.37	09/23/2013 09/23/2013	Maksim Khashchuk	
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1			Earthen Levee	Flood Preparedness & Training	LS	A Ma		°	°	5
DWR ID: DWR_RD2107_01_s_2013_5										
2			Earthen Levee	Emergency Supplies & Equipment	LS	A Ma		°	°	7
DWR ID: DWR_RD2107_01_s_2013_7										
3			Earthen Levee	Operations & Maintenance Manuals	LS	A Ma		°	°	8
DWR ID: DWR_RD2107_01_s_2013_8										
4	0.00	0.00	Earthen Levee	Encroachments	LS	A En	RW : Retaining Wall	37.787153 ° -121.308919 °	37.787153 ° -121.308919 °	74 Y
DWR ID: DWR_RD2107_01_f_2013_74										
5	0.03	0.03	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	37.786993 ° -121.308694 °	37.786993 ° -121.308694 °	1 Y
DWR ID: DWR_RD2107_01_s_2012_1										
6	0.05	0.05	Earthen Levee	Encroachments	LS	A En	RW : Retaining Wall	37.786669 ° -121.308622 °	37.786669 ° -121.308622 °	75 Y
DWR ID: DWR_RD2107_01_f_2013_75										
7	0.23	0.23	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:16187 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified. Erosion exposed pipes on LS. FIELD_STRUCT_DESC: 3-inch PVC conduit 1-foot below the road surface within roadway fill over levee crown. FS Date: 5/22/2013	37.784586 ° -121.306837 °	37.784586 ° -121.306837 °	60 Y
DWR ID: DWR_RD2107_01_f_2013_60										
8	0.23	0.23	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15175 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified. Erosion exposed pipes on LS. FIELD_STRUCT_DESC: 8-inch steel conduit 1-foot below the road surface within roadway fill over levee crown. Visible on Upstream side of bridge. FS Date: 5/22/2013	37.784586 ° -121.306837 °	37.784586 ° -121.306837 °	61 Y
DWR ID: DWR_RD2107_01_f_2013_61										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.37	09/23/2013 09/23/2013	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
9	0.23	0.23	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:15174 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 1.5-inch PVC conduit 1-foot below the road surface within roadway fill over levee crown. FS Date: 5/22/2013	37.784586 ° -121.306837 °	37.784586 ° -121.306837 °	62
DWR ID: DWR_RD2107_01_f_2013_62										
10	0.23	0.23	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:15173 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. Erosion exposed pipes on LS. FIELD_STRUCT_DESC: 1.5-inch PVC conduit 1-foot below the road surface within roadway fill over levee crown. FS Date: 5/22/2013	37.784586 ° -121.306837 °	37.784586 ° -121.306837 °	63
DWR ID: DWR_RD2107_01_f_2013_63										
11	0.23	0.23	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:15172 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified. Erosion exposed pipes on LS. FIELD_STRUCT_DESC: 3-inch PVC conduit 1-foot below the road surface within roadway fill over levee crown. FS Date: 5/22/2013	37.784586 ° -121.306837 °	37.784586 ° -121.306837 °	64
DWR ID: DWR_RD2107_01_f_2013_64										
12	0.23	0.23	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:15170 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 1.5-inch PVC conduit 1-foot below the road surface within roadway fill over levee crown. FS Date: 5/22/2013	37.784586 ° -121.306837 °	37.784586 ° -121.306837 °	65
DWR ID: DWR_RD2107_01_f_2013_65										
13	0.25	0.25	Earthen Levee	Encroachments	WS	M En	DT : Ditch Inspector Comments: Dugout in the waterside levee slope about 3 feet deep by 7 feet wide by 6 feet across. Recommend to backfill and compact.	37.784309 ° -121.306484 °	37.784309 ° -121.306484 °	76 Y
DWR ID: DWR_RD2107_01_f_2013_76										
14	0.25	0.25	Earthen Levee	Trim / Thin Trees	WS	N Ma	T5 : Tree stumps.	37.784316 ° -121.306498 °	37.784316 ° -121.306498 °	2 Y
DWR ID: DWR_RD2107_01_s_2012_2										

*** Location**

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A/W : Acceptable but Monitor & Maintain

+ Issue Type

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Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.37	09/23/2013 09/23/2013	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
15	0.27	0.27	Supplemental	DWR UCIP Field Study	CR	M En	Inspector Comments: FS_ID:13685 EP_NO: 12101B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 4" electrical conduit through the levee 2.5 feet below the crown. Distribution panel on a 5-foot by 6-foot concrete pad on the WS shoulder (Permit No 12101B, 1979). FS Date: 5/21/2013	37.784194 ° -121.306353 °	37.784194 ° -121.306353 °	66 Y
DWR ID: DWR_RD2107_01_f_2013_66										
16	0.27	0.27	Supplemental	DWR UCIP Field Study	CR	M En	Inspector Comments: FS_ID:16188 EP_NO: 12101B Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 4" electrical conduit through the levee 2.5 feet below the crown. Distribution panel on a 5-foot by 6-foot concrete pad on the WS shoulder (Permit No 12101B, 1979). FS Date: 5/21/2013	37.784194 ° -121.306353 °	37.784194 ° -121.306353 °	67 Y
DWR ID: DWR_RD2107_01_f_2013_67										
17	0.37	0.37	Earthen Levee	Trim / Thin Trees	WS	C Ma	T5 : Tree stumps.	37.783233 ° -121.305125 °	37.783233 ° -121.305125 °	4 Y
DWR ID: DWR_RD2107_01_s_2012_4										
18	0.42	0.42	Earthen Levee	Vegetation	WS	M Ma	V4 : Elderberries are blocking visibility and flood fight capability. Inspector Comments: Large elderberry on water side slope.	37.782737 ° -121.304426 °	37.782737 ° -121.304426 °	54 Y
DWR ID: DWR_RD2107_01_s_2012_54										
19	0.68	0.68	Earthen Levee	Encroachments	CR A/W	M Ma	PI : Pipe Inspector Comments: Irrigation intake pump. Steel pipe runs through base of levee.	37.779550 ° -121.301987 °	37.779550 ° -121.301987 °	6 Y
DWR ID: DWR_RD2107_01_s_2012_6										
20	0.68	0.68	Supplemental	DWR UCIP Field Study	CR	M En	Inspector Comments: FS_ID:13684 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Wooden walkway to pump on platform is in disrepair and may be a hazard. FIELD_STRUCT_DESC: 1 of 2: 14-inch pipe through the levee 17.0 feet below the crown. Pump on pile structure in the stream. Walkway to pump. Slide gate in 48-inch CMP riser on WS shoulder. 36-inch concrete standpipe at the landward toe. Service pole and circuit panel on landward toe. Originally included in O&M manual, 1964. FS Date: 5/21/2013	37.779486 ° -121.301961 °	37.779486 ° -121.301961 °	68 Y
DWR ID: DWR_RD2107_01_f_2013_68										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 2107 Mossdale Island

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River				Left	2.37	09/23/2013 09/23/2013	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
21	0.70	0.70	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:13883 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate missing actuator inside 55-inch CMP riser. FIELD_STRUCT_DESC: 14-inch pipe through the levee, 15.0 feet below the crown. Pipe likely runs from 36-inch concrete standpipe on LS to outlet on WS toe. Portion of the discharge line from the pump at Levee Mile 0.68. 55-inch CMP riser with slide gate on LS shoulder. Originally included in O&M manual, 1964. FS Date: 5/21/2013	37.779209 ° -121.301973 °	37.779209 ° -121.301973 °	69 Y
DWR ID: DWR_RD2107_01_f_2013_69										
22	0.70	0.70	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:13678 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate missing actuator inside 55-inch CMP riser. FIELD_STRUCT_DESC: 14-inch pipe through the levee, 15.0 feet below the crown. Pipe likely runs from 36-inch concrete standpipe on LS to outlet on WS toe. Portion of the discharge line from the pump at Levee Mile 0.68. 55-inch CMP riser with slide gate on LS shoulder. Originally included in O&M manual, 1964. FS Date: 5/21/2013	37.779209 ° -121.301973 °	37.779209 ° -121.301973 °	70 Y
DWR ID: DWR_RD2107_01_f_2013_70										
23	0.76	0.76	Earthen Levee	Erosion / Bank Caving	WS	M Ma	E1 : Note and monitor erosion site.	37.778819 ° -121.302848 °	37.778819 ° -121.302848 °	10 Y
DWR ID: DWR_RD2107_01_s_2013_10										
24	1.24	1.24	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping Inspector Comments: Landscaping and fence present on levee slope.	37.774123 ° -121.307189 °	37.774123 ° -121.307189 °	17 Y
DWR ID: DWR_RD2107_01_s_2012_17										
25	1.46	1.46	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:13667 EP_NO: 12790 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Verify with electricity provider that electric service is overhead and not through the levee. FIELD_STRUCT_DESC: 1 of 3: Possible underground electrical conduit through the levee at unknown depth. Overhead power line on site likely installed instead of underground. (Permit No. 12790, 1981). FS Date: 5/21/2013	37.771939 ° -121.305063 °	37.771939 ° -121.305063 °	71 Y
DWR ID: DWR_RD2107_01_f_2013_71										

*** Location**

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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.37	09/23/2013 09/23/2013	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
26	1.48	1.48	Supplemental	DWR UCIP Field Study	CR	M En	Inspector Comments: FS_ID:13650 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No pump. Appears abandoned. Large hole under pipe on WS slope from animal activity. FIELD_STRUCT_DESC: 1 of 2: 18-inch PVC irrigation pipe through the levee 2.5 feet below the crown. Pump on pile structure in the stream. Walkway to the pump. Originally included O&M manual, 1964. FS Date: 5/21/2013	37.771735 ° -121.304847 °	37.771735 ° -121.304847 °	72 Y
DWR ID: DWR_RD2107_01_f_2013_72										
27	1.48	1.48	Supplemental	DWR UCIP Field Study	CR	M En	Inspector Comments: FS_ID:15179 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe open on WS toe at the pump on pier. Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee 2.5 feet below the crown. Pump on pile structure in the stream. Walkway to the pump. FS Date: 5/21/2013	37.771735 ° -121.304847 °	37.771735 ° -121.304847 °	73 Y
DWR ID: DWR_RD2107_01_f_2013_73										
28	1.49	1.49	Earthen Levee	Encroachments	CR A/W	Ma	PI : Pipe Inspector Comments: Irrigation intake pump. Unable to locate closure valve/gate.	37.771636 ° -121.304773 °	37.771636 ° -121.304773 °	9 Y
DWR ID: DWR_RD2107_01_s_2012_9										
29	2.21	2.21	Earthen Levee	Encroachments	CR A/W	Ma	PI : Pipe Inspector Comments: Irrigation intake pipe through levee freeboard.	37.762868 ° -121.309708 °	37.762868 ° -121.309708 °	11 Y
DWR ID: DWR_RD2107_01_s_2012_11										

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.37	09/23/2013 09/23/2013	Maksim Khashchuk

Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the retaining wall at the landside levee slope.

mkhashch_f_20130924_635.JPG



Levee Mile Report Line	5
Start Levee Mile	0.03
End Levee Mile	0.03
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Photo of waterside slope. Stumps present from prior tree removal for access and visibility.

mkhashch_f_20130924_636.JPG



Levee Mile Report Line	8
Start Levee Mile	0.23
End Levee Mile	0.23
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

Pipes visible on LS next to roadway.

UCIP_8040.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.37	09/23/2013 09/23/2013	Maksim Khashchuk

Levee Mile Report Line	13
Start Levee Mile	0.25
End Levee Mile	0.25
Location	Water Side
Category	Earthen Levee
Item	Encroachments

View of the ditch at the waterside levee toe.

mkhashch_f_20130924_637.JPG



Levee Mile Report Line	14
Start Levee Mile	0.25
End Levee Mile	0.25
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Tree stumps present on slope. They were left from prior vegetation removal for access and visibility.

mkhashch_f_20130923_558.JPG



Levee Mile Report Line	16
Start Levee Mile	0.27
End Levee Mile	0.27
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

5X5 concrete pad with exposed electrical conduit on WS shoulder.

UCIP_8990.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.37	09/23/2013 09/23/2013	Maksim Khashchuk

Levee Mile Report Line	18
Start Levee Mile	0.42
End Levee Mile	0.42
Location	Water Side
Category	Earthen Levee
Item	Vegetation
03/26/2012 Large elderberry located on water side slope.	
mkhashch_f_20130923_565.jpg	



Levee Mile Report Line	19
Start Levee Mile	0.68
End Levee Mile	0.68
Location	Crown
Category	Earthen Levee
Item	Encroachments
Irrigation intake pipe runs through the base of the levee. Stand pipes on waterside and landside. A butterfly valve is located near waterside slope.	
mkhashch_f_20130923_560.JPG	



Levee Mile Report Line	20
Start Levee Mile	0.68
End Levee Mile	0.68
Location	Crown
Category	Supplemental
Item	DWR UCIP Field Study
Walkway to pump on pier at WS.	
UCIP_7409.jpg	

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.37	09/23/2013 09/23/2013	Maksim Khashchuk

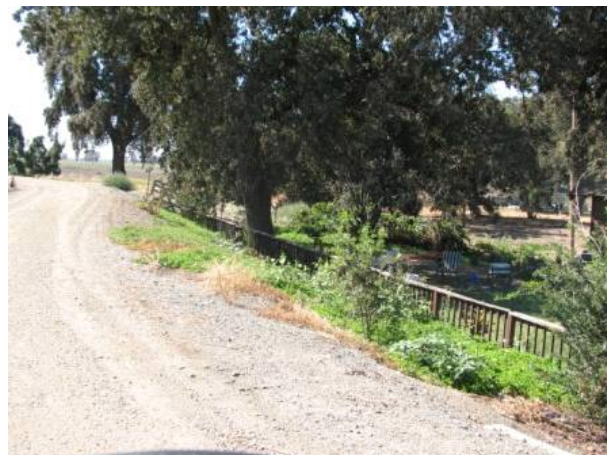
Levee Mile Report Line	21
Start Levee Mile	0.70
End Levee Mile	0.70
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
55-inch CMP riser with slide gate (no handle) on LS shoulder. 14-inch and 12-inch pipe visible on LS toe.	
UCIP_7476.jpg	



Levee Mile Report Line	23
Start Levee Mile	0.76
End Levee Mile	0.76
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
View of the eroding waterside levee slope.	
mkhashch_f_20130923_562.JPG	



Levee Mile Report Line	24
Start Levee Mile	1.24
End Levee Mile	1.24
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Fall 2009 photo of landscape planting on landside levee slope and a 3-ft yard fence at the levee toe.	
mkhashch_f_20130923_564.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	2.37	09/23/2013 09/23/2013	Maksim Khashchuk

Levee Mile Report Line	27
Start Levee Mile	1.48
End Levee Mile	1.48
Location	Crown
Category	Supplemental
Item	DWR UCIP Field Study

Metal pier on WS slope.

UCIP_8043.jpg



Levee Mile Report Line	28
Start Levee Mile	1.49
End Levee Mile	1.49
Location	Crown
Category	Earthen Levee
Item	Encroachments

Irrigation intake pipe through levee freeboard.

mkhashch_f_20130923_561.jpg



Levee Mile Report Line	29
Start Levee Mile	2.21
End Levee Mile	2.21
Location	Crown
Category	Earthen Levee
Item	Encroachments

View of the pipe location; alignment through levee.

mkhashch_f_20130923_563.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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U : Unacceptable
N : Not Inspected/Rated
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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 Levee Inspection Results

Reclamation District No. 2107 Mossdale Island

Waterway			Bank	Unit Miles
Unit No. 02 Paradise Cut			Right	1.84
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/04/2013 - 04/04/2013		09/23/2013 - 09/23/2013	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Robert Brown		Robert Brown	
			Michael Moncrief	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	1.84	09/23/2013 09/23/2013	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	0.26	0.26	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:13637 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe filled in with soil around outlet and not visible on LS. Appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 16-inch steel storm drain pipe 16-feet below the crown with slide gate on WS toe. Originally included in O&M manual, 1964. FS Date: 5/21/2013	37.762613 ° -121.313480 °	37.762613 ° -121.313480 °	25 Y
DWR ID: DWR_RD2107_02_f_2013_25										
2	0.50	0.50	Earthen Levee	Vegetation	WS	M Ma	V4 : Elderberries are blocking visibility and flood fight capability. Inspector Comments: Elderberry bush on waterside.	37.764780 ° -121.316717 °	37.764780 ° -121.316717 °	4 Y
DWR ID: DWR_RD2107_02_s_2012_4										
3	0.54	0.54	Supplemental	DWR UCIP Field Study	WS	M En	Inspector Comments: FS_ID:13636 EP_NO: 13161 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some erosion along pipe alignment on WS slope. FIELD_STRUCT_DESC: 10-inch steel storm drain pipe through the levee 5-feet below the crown. Pump located on 36-inch concrete standpipe at LS toe. A PVC pipe runs parallel to waterward toe to train tracks. Air relief valve on waterward shoulder (Permit No. 13161, 1981). FS Date: 5/21/2013	37.764832 ° -121.317405 °	37.764832 ° -121.317405 °	26 Y
DWR ID: DWR_RD2107_02_f_2013_26										
4	0.55	0.55	Earthen Levee	Encroachments	CRA/W	Ob	PI : Pipe Inspector Comments: Drainage discharge pump and pipe through levee freeboard.	37.764831 ° -121.317446 °	37.764831 ° -121.317446 °	2 Y
DWR ID: DWR_RD2107_02_s_2012_2										
5	0.84	0.84	Earthen Levee	Trim / Thin Trees	WS	C Ma	T5 : Tree stumps.	37.767792 ° -121.321220 °	37.767792 ° -121.321220 °	5
DWR ID: DWR_RD2107_02_s_2012_5										
6	1.05	1.05	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Rodent hole does not appear to be active. Recommend backfilling with grout.	37.770171 ° -121.323161 °	37.770171 ° -121.323161 °	6 Y
DWR ID: DWR_RD2107_02_f_2012_6										

*** Location**

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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	1.84	09/23/2013 09/23/2013	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
7	1.53	1.53	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:13715 EP_NO: 2966 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Headwall around pipe at LS toe is failing and should be shored up. Flap gate propped open and should be returned to normal function. FIELD_STRUCT_DESC: 24-inch steel drain pipe through the levee 14 feet below the crown. Flap gate installed on the waterward end of the pipe and two standard reinforced concrete cutoff walls were placed around the pipe in line with the levee shoulders (Permit No. 2966, 1958). FS Date: 5/22/2013	37.774130 ° -121.329896 °	37.774130 ° -121.329896 °	27 Y
DWR ID: DWR_RD2107_02_f_2013_27										
8	1.53	1.53	Earthen Levee	Encroachments	LS A/W Ob	PI : Pipe	Inspector Comments: Irrigation Pipe	37.774193 ° -121.329967 °	37.774193 ° -121.329967 °	9 Y
DWR ID: DWR_RD2107_02_f_2012_9										

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	1.84	09/23/2013 09/23/2013	Maksim Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.26
End Levee Mile	0.26
Location	Crown
Category	Supplemental
Item	DWR UCIP Field Study

Slide gate visible on WS toe.

UCIP_7402.jpg



Levee Mile Report Line	2
Start Levee Mile	0.50
End Levee Mile	0.50
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Elderberry located on waterside slope.

mkhashch_f_20130923_617.JPG



Levee Mile Report Line	3
Start Levee Mile	0.54
End Levee Mile	0.54
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

JP and meter on LS shoulder.

UCIP_7397.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	1.84	09/23/2013 09/23/2013	Maksim Khashchuk

Levee Mile Report Line	4
Start Levee Mile	0.55
End Levee Mile	0.55
Location	Crown
Category	Earthen Levee
Item	Encroachments
Drainage discharge pump. Steel pipe penetrates levee freeboard. No flapgate on waterside. No closure device.	
mkhashch_f_20130923_615.jpg	



Levee Mile Report Line	4
Start Levee Mile	0.55
End Levee Mile	0.55
Location	Crown
Category	Earthen Levee
Item	Encroachments
View of siphon breaker causing some erosion on slope.	
mkhashch_f_20130923_616.JPG	



Levee Mile Report Line	6
Start Levee Mile	1.05
End Levee Mile	1.05
Location	Water Side
Category	Earthen Levee
Item	Animal Control
View of large burrow on waterside slope.	
mkhashch_f_20130923_619.JPG	

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 2107 Mossdale Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Paradise Cut	Right	1.84	09/23/2013 09/23/2013	Maksim Khashchuk

Levee Mile Report Line	7
Start Levee Mile	1.53
End Levee Mile	1.53
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Headwall failing at drainage ditch on LS toe.

UCIP_7416.jpg



Levee Mile Report Line	8
Start Levee Mile	1.53
End Levee Mile	1.53
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of irrigation pipe and canal.

mkhashch_f_20130924_638.JPG



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